

Download Non-relativistic Quantum Mechanics

The mathematical formulations of quantum mechanics are those mathematical formalisms that permit a rigorous description of quantum mechanics. Such are distinguished from mathematical formalisms for theories developed prior to the early 1900s by the use of abstract mathematical structures, such as infinite-dimensional Hilbert spaces and ...The history of quantum mechanics is a fundamental part of the history of modern physics.

Quantum mechanics' history, as it interlaces with the history of quantum chemistry, began essentially with a number of different scientific discoveries: the 1838 discovery of cathode rays by Michael Faraday; the 1859–60 winter statement of the black-body ...In the beginning there was continuous flow, and then Max Planck came along and proposed quantization. Quantization basically just means, that instead of being continuous, things such as EM radiation, can only exist in multiples of certain values.(UCSD Physics 130) April 2, 2003. Contents; Preface; Course Summary. Problems with Classical Physics